**Predicting Entropy change**

**1)** Predict the entropy change for each of the following reactions by stating whether the entropy will increase OR decrease. Give a reason for each answer.

1. Ammonium chloride solid NH4Cl(*s*) dissolves in water to form NH4+(*aq*) and Cl–(*aq*).
2. 3O2(*g*) 🡪 2O3(*g*)
3. N2O4(*g*) 🡪 2NO2(*g*)

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